

Date: Sun, 21 Nov 93 04:30:13 PST  
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>  
Errors-To: Ham-Digital-Errors@UCSD.Edu  
Reply-To: Ham-Digital@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Digital Digest V93 #115  
To: Ham-Digital

Ham-Digital Digest                      Sun, 21 Nov 93                      Volume 93 : Issue    115

Today's Topics:

                    CoCo2 for packet  
            Detecting PSK... an easy way...  
            Packet antenna?????  
            Packet BBS for UNIX  
            WANTED: RTTY software for "dumb" modems  
            Where do you get modem chips TCM3105 and Am7910?

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>  
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Thu, 18 Nov 1993 06:24:09 GMT  
From: nntp.ucsb.edu!library.ucla.edu!agate!howland.reston.ans.net!  
sol.ctr.columbia.edu!news.unomaha.edu!cwis.unomaha.edu!ncc2001@network.ucsd.edu  
Subject: CoCo2 for packet  
To: ham-digital@ucsd.edu

For some reason, the text of my message was deleted. I just got a CoCo2 for  
\$1 at a thrift shop. It is working order and I want to use it with my KPC-3  
for when I go on trips to visit relatives. Does anybody out there how I can  
connect the KPC-3 to the serial connector on the CoCo3, and how could I  
connect a tape player to it for storing a term program? Any help you can  
offer will be appreciated.

73 de NOYBC, Michael

--

Michael Fortner	N0YBC	Where are we going?	
Internet:	ncc2001@cwis.unomaha.edu		PLANET 10!
Packet:	N0YBC@WB0BLR.#SWIA.IA.USA.NA	When?	
			REAL SOON!

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Date: 20 Nov 93 16:57:16 GMT  
 From: news-mail-gateway@ucsd.edu  
 Subject: Detecting PSK... an easy way...  
 To: ham-digital@ucsd.edu

The simplest way to detect PSK with the phase detector is to get rid of the phase transistion. With BPSK, double the frequency: QPSK, quadruple it, etc.

A dirt-cheap circuit to do that would be to build an amplifier for your input audio (use an LM386) and get, say, an 8-1k audio transformer with a centertapped 1k "secondary". On the secondary, just put a full-wave rectifier (the 2 diode kind... The 4 diode kind will work, too, if you want... You have suddenly doubled the frequency... and multiplied the voltage, too, so you will probably have to attenuate it.

An advantage to this scheme is that it also rejects even-order multiplication projects. It might be reasonable to have a 1st or 2nd order highpass filter on this thing, but avoid too much filtering, since that will slow your dcd...

All that is necessary (to have this work) is to have enough audio voltage to drive the diodes well, hence the '386 amp.

You *could* build something with a costas loop, but...

<Clint>

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Date: Tue, 16 Nov 1993 14:32:35 GMT  
 From: usc!wupost!udel!news.intercon.com!psinnntp!gdstech!gdstech!bat@network.ucsd.edu  
 Subject: Packet antenna?????  
 To: ham-digital@ucsd.edu

A jpole is a good choice for an antenna, if it's up reasonably high. So, some power would help. I have used a ramsey 2m amp on packet with my HT many times. It puts 20 watss out if you give it 1, and 30 out for 5 in. But, there are guuys saying that the signal isnt too clean. One guy said here, that of the 20 watts out,

a couple of them might actually be on the same frequency as my HT is transmitting. If you do use an amp, there is the added delay of switching from receive to transmit state. So, add a little to your TXDelay parameter. Try about a third of a second, and work down.

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```
*-----*
*   Pat Masterson   D12-25   | KE2LJ@KC2FD           *
*   Grumman Data Systems | 516-346-6316.         *
*   Bethpage, NY 11746   | bat@gdstech.grumman.com    *
```

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Date: Tue, 16 Nov 1993 18:25:14 GMT  
From: agate!howland.reston.ans.net!math.ohio-state.edu!cyber2.cyberstore.ca!  
nntp.cs.ubc.ca!unixg.ubc.ca!acs.ucalgary.ca!cpsec.ucalgary.ca!ajfcal!  
lhaven.UUmh.Ab.Ca!combdyn!@dog.ee.lbl.gov  
Subject: Packet BBS for UNIX  
To: ham-digital@ucsd.edu

I'm looking for a Packet BBS for UNIX. I don't know what kind of UNIX box it is yet. I'm setting up a Packet BBS for a school district (7 schools), and the possibility exists that a UNIX box might be donated to the cause.

Otherwise I need one for an HP48SX 8-)

Preferrably the BBS should support FBB compressed forwarding....since its somewhat of local convention around here now.

I'd also be interested in finding pointers to the latest source code to CBBS...

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```
--EMAIL-----PHONE-----FAX-----
| WORK: lawrence@combdyn.com      | (403)529-2162 | (403)529-2516 | CallSign
| HOME: dreamer@lhaven.uumh.ab.ca | (403)526-6019 | (403)529-5102 | VE6LKC
```

-----  
disclamer = (working\_for && !representing) + (Combustion Dynamics Ltd.);

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Date: 20 Nov 93 15:35:59 GMT  
From: ogicse!emory!news-feed-1.peachnet.edu!umn.edu!csus.edu!netcom.com!  
fmitch@network.ucsd.edu  
Subject: WANTED: RTTY software for "dumb" modems  
To: ham-digital@ucsd.edu

hello, mitch wa4osr here in mobile, alabama...

a friend and i have built the a@a engineering baycom modem kits and we

are experimenting with them on vhf rtty... we are looking for software that will receive rtty and or the other digital modes using just a dumb modem... i know there are such programs out there!!! where are they?... please email me ftp sites and/or landline bbs locations...

thanks,  
mitch, wa4osr

--

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fmitch@netcom.com  
Felton "Mitch" Mitchell, WA4OSR in Mobile, Alabama USA  
205-342-7259 home, 205-476-4100 work, 205-476-0465 FAX  
co-sysop for W4IAX bbs running fbb ... sysop for WA4OSR DXCluster in Mobile..  
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Date: Wed, 17 Nov 1993 00:16:43 GMT  
From: nntp.ucsb.edu!library.ucla.edu!agate!howland.reston.ans.net!math.ohio-state.edu!sdd.hp.com!col.hp.com!news.dtc.hp.com!hplextra!hpfco!hplvec!  
tcline@network.ucsd.edu  
Subject: Where do you get modem chips TCM3105 and Am7910?  
To: ham-digital@ucsd.edu

> In rec.radio.amateur.digital.misc, rw3aj@glas.apc.ORG (Sergey A. Filimoshkin) writes:

>

> Where do you get the packet modem chips TCM3105 and Am7910?

> How price in the USA or EU? Answer E-mail please!

>

>

>       Many TNX and 73           RW3AJ     Serge Filimoshkin

>       E-mail   rw3aj@glas.apc.org

>       FIDO     2:5020/63.7

I will also answer by email, but I thought it was a good question and I'd like to see other responses too.

So, from my notes:

> Date: Tue, 10 Nov 92:

> I've heard through the grapevine that EasyTech carries the TCM3105 (look for  
> their ad in Popular Electronics, Radio Electronics, etc). I've not  
> confirmed this fact, though.

> Date: Fri, 22 Jan 93:  
> The TCM3105 chips are available for \$15 or so  
> from Arrow Electronics (St Louis) among other places ...

> May, 1993:  
>       TCM3105                   JDR Microdevices, (800) 538-5000  
>                                 \$9.95/each, no minimum order  
>  
>                                 Active Electronics, (800) 677-8899,  
>                                 international orders (514) 630-7410  
>                                 \$6.47/each, \$25.00 minimum order  
>  
>       4.4336 MHz crystal       Active Electronics, (800) 677-8899,  
>                                 international orders (514) 630-7410  
>                                 \$0.88/each, \$25.00 minimum order  
>  
>                                 (possibly other suppliers, the frequency is  
>                                 the European colorburst)

Hope this helps!

73

-----  
Ted Cline, N0RQV  
ted\_cline@hplsl.lvld.hp.com  
Day: (303) 679-2352

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Date: 21 Nov 93 01:16:20 GMT  
From: juniper.almaden.ibm.com!enge.almaden.ibm.com!enge@uunet.uu.net  
To: ham-digital@ucsd.edu

References <KENJI.93Nov16200241@reseau.k2r.or.jp>, <5TH7cc1w165w@nj8j.atl.ga.us>,  
<2cjniVhINNlfa@network.ucsd.edu>  
Subject : Re: wb7tpy gateway

In article <2cjniVhINNlfa@network.ucsd.edu>, Brian Kantor  
<brian@nothing.ucsd.edu> From ham-digital-relay@ucsd.edu Sun Nov 21 02:59:12 1993  
Received: from network.ucsd.edu by ucsd.edu; id CAA19614  
sendmail 8.6.4/UCSD-2.2-sun via ESMTP  
Sun, 21 Nov 1993 02:59:11 -0800 for <ham-digital-digest@ucsd.edu>  
Received: from localhost by network.ucsd.edu (8.6.4/UCSDGENERIC.4)  
id CAA20555 to ham-digital-digest@ucsd.edu; Sun, 21 Nov 1993 02:58:43 -0800

Received: from USENET by network.ucsd.edu with netnews  
for ham-digital-digest@ucsd.edu (ham-digital@ucsd.edu);  
contact usenet@network.ucsd.edu if you have questions.  
To: ham-digital@ucsd.edu  
Date: 18 Nov 1993 02:42:24 +0100  
Message-ID: <2ceju0\$4t6@zen.gatelink.fr.net>  
Organization: ZENITH Rtc Lyon France  
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!pipex!zaphod.crihan.fr!univ-  
lyon1.fr!zen.gatelink.fr.net!zen.gatelink.fr.net!not-for-mail@network.ucsd.edu  
Sender: ham-digital-relay@ucsd.edu  
Subject: PK232 & Unix

I'm looking for a software under Unix System (so in C source), which  
can do an automatic connection on a node/bbs in AX25 mode. A software  
where I can write script (like script shell) to send and receive messages  
from a bbs like FBB, without manual operation...

I can write something like that in C, but if it exist, I will be happy  
to have it !

73' to all,

--

Michel CERDINI BP5574 69247 Lyon Cedex 05 | E-Mail cerdini@zen.gatelink.fr.net  
BBS/RTC Videotex ZENITH (8 acces) 24h/24 | AX25 F1ITS@FF2LY.FRHA.FRA.EU  
Minitel: 7836.1996 - V32b/V42b: 7836.1001 |AmprNet F1ITS.AMPR.ORG [44.151.69.10]

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Date: 20 Nov 1993 10:21:00 -0800  
From: news.cerf.net!pagesat!netsys!agate!spool.mu.edu!olivea!apple.com!apple.com!  
not-for-mail@network.ucsd.edu  
To: ham-digital@ucsd.edu

References <1993Nov16.165043.25831@lmpsbbbs.comm.mot.com>,  
<1993Nov18.193333.25662@ve6mgs.ampr.org>, <2cj7pk\$r77@wvhpadm1.mentorg.com>  
Subject : Internet vs. PBBS namespaces (was Re: wb7tpy gateway)

In article <2cj7pk\$r77@wvhpadm1.mentorg.com>,  
Hank Oredson <Hank\_Oredson@mentorg.com> wrote:  
>In article <1993Nov18.193333.25662@ve6mgs.ampr.org>,  
>mark@ve6mgs.ampr.org (Mark G. Salyzyn) writes:  
>|> burke\_br@adcae1.comm.mot.com (Bruce Burke Sp App) writes:  
>|>  
>|> >gate@wb7tpy.az.usa.na is only for the packet side.  
>|>  
>|> And why? it \*should\* be  
>|> gate@wb7tpy.az.usa.noam  
>|> so as to not completely break the ISO standards ...

>|> NA is for namibia  
>|>  
>|> Anyone operating a Gateway between Packet Radio and the Internet should be  
>|> shot if they don't at least understand their use of the \*.na suffix is a  
>|> dangerous activity! The ignorance of the masses is NO excuse for a Gateway  
>|> operator!  
>  
>These two network do NOT share the same namespace.  
>It is up to the agent that gates messages between them to take  
>care of all addressing issues when it moves messages from one  
>network to the other.

This isn't an address translation problem. The problem is that many messages aren't getting to gateways in the first place because of (very understandable) confusion between real Internet addresses and PBBS addresses that look like Internet addresses but aren't. It's all very fine for those of us who can immediately spot the difference to say that people shouldn't confuse the two, but that's unrealistic. As Mark notes, sysops have a remedy available that will solve the problem.

>Bottom line: if messages sourced in the BBS network are somehow  
>getting to Namibia, it happens because of broken gateway software.

The message in question *\*wasn't\** sourced in the PBBS network. It was originated on the Internet, which appropriately tried to find the designated (albeit nonexistent) site in Namibia.

>Whether the BBS network should use one standard or another is a  
>different issue. I will certainly not take any "sides" here.  
>As long as we use SOME standard, it matters not one whit which  
>standard we use - so let's pick one, and use it.

Because of the increasing interaction between the Internet and the PBBS system, it matters a lot more than a whit. When people see two sets of addresses that look nearly identical in format, *\*they're going to mix them up occasionally.\** Why shouldn't PBBS sysops make a simple change (in this case, from NA to NOAM) that can prevent the problem?

I know that NOARY for one has already done this. I consider that yet another example of Bob's desire to help his users, which includes heading off common mistakes instead of just saying, "You should have known better than to do that."

Patty

--

```
===== Patty Winter =====  
Apple contractor           Internet: winter@apple.com  
Sunnyvale, California      AMPRNet: 44.4.4.50  
    "What about truth? What about reality?"  
    "What about the way the old ending tested in Canoga Park?"  
===== N6BIS =====
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End of Ham-Digital Digest V93 #115

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